

# Awards Made for Solicitation

## NIJ FY 09 Fundamental Research to Improve Understanding of the Accuracy, Reliability, and Measurement Validity of Forensic Science Disciplines

Number of Awards: 15

Total Amount Awarded: \$7,638,222.00

Award Title	Awardee	Award Number	Award Amount	Location	Fiscal Year
REPEATABILITY AND UNIQUENESS OF STRIATIONS/IMPRESSIONS IN FIRED CARTRIDGE CASINGS FIRED IN 10 CONSECUTIVELY MANUFACTURED SLIDES	Miami Dade County	2009-DN-BX-K230	\$17,127.00	FL	2009
Error Rates for Latent Fingerprinting as a Function of Visual Complexity and Cognitive Difficulty	The Regents of the University of California	2009-DN-BX-K225	\$866,674.00	CA	2009
Quantifying the Effects of Database Size and Sample Quality on Measures of Individualization Validity and Accuracy in Forensics	GEORGE MASON UNIVERSITY	2009-DN-BX-K234	\$974,981.00	VA	2009
Statistical Assessment of the Probability of Correct identification of Ignitable Liquids in Fire Debris Analysis	University of Central Florida	2009-DN-BX-K227	\$415,992.00	FL	2009
Development of Synthetically Generated LEA Signatures to Generalize Probability of False Positive Identification Estimates	Intelligent Automation, Inc.	2009-DN-BX-K236	\$450,969.00	MD	2009
The information content of friction ridge impressions as revealed by human experts	Indiana University	2009-DN-BX-K226	\$424,285.00	IN	2009
Quantified Assessment of AFIS Contextual Information on Accuracy and Reliability of Subsequent Examiner Conclusions	Complete Consultants Worldwide, LLC.	2009-DN-BX-K224	\$348,770.00	WV	2009
Establishing the Quantitative Basis for Sufficiency: Thresholds and Metrics for Friction Ridge Pattern Detail Quality and the Foundation for a Standard	Virginia Polytechnic Institute and State University	2009-DN-BX-K229	\$854,907.00	VA	2009
Application of spatial statistics to latent print identifications: Towards improved forensic science methodologies	Western Oregon University	2009-DN-BX-K228	\$685,754.00	OR	2009
Statistical Evaluation of Torn Duct Tape	The Regents of the University of California	2009-DN-BX-K235	\$154,300.00	CA	2009
Experimental Study of the Validity and Reliability of Digital Forensics Tools	University of Central Florida	2009-DN-BX-K237	\$382,000.00	FL	2009
Microscopic Analysis of Sharp Force Trauma in Bone and Cartilage	City of New York	2009-DN-BX-K238	\$45,078.00	NY	2009
Fundamental Research to Improve the Understanding of the Accuracy, Reliability, and Validity of Using the ENF Criterion for the Forensic Authentication of Digital Recordings	Virginia Polytechnic Institute and State University	2009-DN-BX-K233	\$864,638.00	VA	2009
Face Annotation at the Macro-scale and the Micro-scale: Tools, Techniques, and Applications in Forensic Identification	University of Notre Dame du Lac	2009-DN-BX-K231	\$760,256.00	IN	2009
FORENSIC ANALYSIS OF IGNITABLE LIQUID FUEL FIRES IN BUILDINGS	Hughes Associates, Inc.	2009-DN-BX-K232	\$392,491.00	MD	2009